

**August 03, 2021**

The meeting was called to order at 6:00 PM by Vice-Chairman Cardenas

Pledge of Allegiance/Salute to the Flag

The Open Public Meetings Act was read. Included in this statement was that this meeting was posted on the Authority website, the Authority bulletin board and a copy sent to Town Hall. This meeting was held via teleconference.

Roll Call:	Jorge Cardenas	Vice-Chairman
	Ray Spellmeyer	Secretary
	Domenic Manderano	Treasurer
	Tim Stamm	Board Member

Absent: F. Vogel

Also Present: Brian Bigler, Executive Director; John Napolitano, Counsel; G. Beckmeyer, for Beckmeyer Engineering.

A motion was made by R. Spellmeyer; second by D. Manderano, to approve the minutes of the July 6, 2021. Meeting of the Authority. Approved: 4-0-0.

The Voucher list was moved on a motion by D. Manderano, second by T. Stamm. Voucher list approved on a roll call vote: Stamm: Aye; Manderano: Aye; Spellmeyer: Aye; Cardenas: Aye. Approved: 4-0-0. Total \$175,405.09.

Old Business: None

New Business: None

Legal: No Report

**Report of the Executive Director  
July 2021 {submitted July 28, 2021}**

Due to the COVID-19 virus crisis, staff is performing basic maintenance, lab & operations. We have taken numerous steps to help curtail the spread of this virus.

- We continue to monitor the sewers in low lying areas for cleaning & inspection. There were several CCTV jobs performed for the DPW regarding storm sewers.

While staff will perform any assistance, these tasks are cutting into our routine maintenance plan for the sanitary collection system.

- SCADA: Keystone due to the current pandemic, work continues to progress. Project is approximately 98% complete. Keystone has been on-site with Ensocorp to get the system up & running.
- Spoke with Town Administrator & DPW Superintendent regarding invoices from 5<sup>th</sup> & Centre and Firehouse on Centre. Both have agreed to the reimbursement, awaiting payment. Nothing further to report.
- PSI in to perform annual service for PS#1. Authorized installation of new pump that we had onsite. PSI onsite to facilitate the change-out of pump #4.
- Received an application for a proposed hotel at 655 Plaza Drive. This is currently under review. Nothing further to report.
- Local 11: negotiated almost all the issues for the new contract except salaries and hospitalization. These costs are Town driven. Nothing further to report.
- Working with the engineer regarding proposed development at Xchange.
- Had another meeting with engineers and Biosafe for the possible utilization of peracetic acid for disinfection purposes. We will be looking to perform a feasibility study once we get results after authorizing test protocol.
- Update on possible employee(s): one PT employee hired, still awaiting results from the second applicant.
- Received revised plans for Daffy's, Engineer reviewing.

## **OPERATIONS REPORT –July 2021 Submitted July 23, 2021**

### **KOELLE BOULEVARD FACILITY**

- 1) The estimated average daily flow for the month was 3.8179MGD. The estimated total flow for the month was 86.0776 MG. This higher flow was due to the several rainstorms we experienced during the month, with five separate occasions of >1.2" and a maximum daily recording of 2.75".
- 2) Routine maintenance and grounds keeping were performed.
- 3) Maintenance performed on pumps in PS#1.
- 4) Pumping Service is repairing the impellor on pump #3 in pump station #1
- 5) Arco finished working on the flashing on the domes.
- 6) Persistent Construction is putting a new sidewalk in.

### **PUMP STATION # 1 Village Place**

- 1) The estimated average daily flow was 1.372 MGD.
- 2) All pumps cleaned and maintained on a regular basis.
- 3) Routine maintenance and grounds keeping were performed.

**PUMP STATION # 2 Paterson Plank Road and Turnpike Exit**

- 1) The estimated average daily flow was 21,605 gallons per day.
- 2) Routine maintenance and grounds keeping were performed.

**PUMP STATION # 3 Henry Street**

- 1) The estimated average daily flow was 109,243 gallons per day.
- 2) Routine maintenance and grounds keeping were performed.
- 3) Pump No. 2 OOS due to bad EFF valve. Waiting on hardware, new valve is onsite.

**PUMP STATION # 4 New County Road and Seaview Drive**

- 1) Routine maintenance was performed.
- 2) Station checked daily.

**PUMP STATION: Wilroy – Secaucus Road**

- 1) This station is not in service.

**PUMP STATION # 5 Castle Road**

- 1) Routine Maintenance and grounds keeping were performed.
- 2) Average daily flow: 32,504gpd.

**PUMP STATION #7 - Exchange Junction**

- 1) Routine maintenance was performed.

Respectfully submitted.

Joseph Marchese, Operations Forman

**COLLECTION SYSTEM:**

- 1) Jet Truck: On June 11, 2021. Is out for service.

**CCTV:** 118' of sanitary mainline and 52' of sanitary lateral line for Secaucus DPW.

Respectfully Submitted,

Anthony Smentkowski, Maintenance Foreman, CCTV Operator.

## **ENGINEER'S REPORT MONTH OF JULY 2021**

The following is a list of the main activities as provided by this office to the Authority for the above-mentioned month:

- SCADA. (abridged) The project has been awarded to Keystone Engineering Group. Keystone is completing their panel fabrication and performing their shop testing. Work is continuing on a limited basis due to the shut down and lack of available workers for the contractor. Construction has been on hold due to the COVID-19 situations. Work at the Pump Stations is mostly complete. Once this is complete, the Pump Stations will be tied into the main system at the Treatment Plant. Keystone completed all installations, waiting on start-up. Keystone was onsite to continue setup.
  
- Received and started a review on a pump station flow meter report for the Exchange Place Pump Station (abridged). This report is supposed to analyze the existing flows of the pump station and the amount of unused capacity with regards to the remaining build out of the project. Analyzing data. Submitted new pump data and force main drawings to engineer to re-analyze flow and pump data. We calculated flows for all additional housing units compared to the amount of flow as reported on the NJDEP TWA. Additional questions on the housing unit quantities are being confirmed. It now appears the NJSEA has received a zoning application for a 24-story residential structure. Spoke with Secaucus Plumbing Official concerning the addition of a 25-story housing unit. It appears major revisions will be required within the SMUA Sanitary Sewer System. The SMUA received a zoning approval for this project. Information was submitted to the SMUA concerning existing and proposed units. Exchange Engineer submitted letter on Pump Station capacity and new proposed units. Analyzing proposed flows for proposed high rise to flows submitted on the TWA to NJDEP. Also analyzing future flows beyond the proposed high rise for probably pump/force-main upgrades at the Exchange Place Pump Station and down-stream at the Seaview Avenue Pump Station and the North End Pump Stations.
  
- Plans and a connection application has been submitted for a new building at the old Daffy's site in North Bergen. Even though this site is in North Bergen, the Sanitary Sewer is service within the SMUA system. A thorough review will be required since this flow is connected to the SMUA system through the Turnpike Pump Station. The Pump Station and Force Main will need to be analyzed for Capacity. Requesting and reviewing submitted materials from project engineer. Started preparing the Engineer's Report. Engineer's Report submitted. Review TWA submitted by applicant's engineer, made comments and are awaiting a response or a revised TWA. A revised submittal has been submitted, the SMUA is required to have the Town of North Bergen sign off on the TWA prior to our acceptance. There have also been items added to the plans that are unexplained at this time. Requesting further information.

- Trickling Filter metal flashing has been damaged by the latest two wind events. Researching a contractor who can repair this type of work. Met with one contractor on site and supplied information to another contractor. Waiting for the contractor to begin.
- Contacting Rapid Pump to see the availability of the torque and limit switches for the remaining secondary clarifier tanks. Material expected arrival date 2/8/2021. One Item is still not delivered to the contractor. Contractor is scheduling this work.
- I will be meeting with the Facility manager for 600 Meadowlands Parkway (Harmony) on Friday 1/2/2021 to review the Suez water meters and to follow a domestic water supply line that does not follow the new water meter installed by the facility's management. The SMUA also requested additional Suez water bills for the facility as well as another visit to an adjoining unit to check the water supply piping. Continuing to email Facility Manager for information from their plumber and also requested further water bills and meter readings.
- Starting Specifications and Plans for the rehabilitation of Primary Clarifier Tanks 1 & 2. Should be ready for Public Bid by the First Week in April. A memorandum to the SMUA from my office requesting that the equipment to be specified be from a "Proprietary Source". The reasons for utilizing a "Proprietary Source" are explanatory in the memorandum. This will need approval from the SMUA Commissioners. Project approved and awarded.
- Preparing details to rehabilitate the underside of the concrete slab of the Grit Chamber Floor. This is a suspended exposed floor that was built during the original facility in 1962 that the Grit Chamber and Bar Screen Equipment are located. Presently, there are scaffolding beams and posts in place to stop any falling pieces of concrete slab. Additional investigation will be completed when exposed steel reinforcement is cleaned and re-encased. Met with contractor and discussed options to repair. Received and reviewing proposal on new option.
- Persistent Construction is replacing the sidewalk which runs adjacent to the northern wall of the primary tanks. The sidewalk was a safety issue with many uneven joints and cracks creating numerous tripping hazards. The condition was hastening due to sub-grade mad out of sub-standard materials in addition to voids created by animals. Bituminous pavement was selected to replace the concrete since it is more flexible and has the ability adjust slightly with the movement of the sub grade without creating tripping hazards. Also, new sub-grade material was used to replace an existing sponge like material.
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- Zoning Certificate Notices for required SMUA Sewer Connection Application:

Address	Zoning Certificate	Request Dates		SMUA App.	SMUA Fee	Engineers Report
		1 <sup>st</sup>	2 <sup>nd</sup>			
Lincoln Gateway	#17-239					3/3/2021

						6/8/2021- Discrepancy Letter
101 Plaza Center Unit 101 New Construction	#20-109	4/12/21	5/19/21	No	No	Contacted applicant emailed forms.
50 Fairview Ave	-	10/20/20	11/6/20	No	No	Emailed Architect for updated plans. 3 <sup>rd</sup> . Request for information 4/23/21. No Response

**Beckmeyer Engineering, P.C.**

**Glenn M. Beckmeyer, P.E.,P.P.,CME,CFM**

**Authority Engineer July 28, 2021**

**Citizen's Comments:** None

A motion was made at 6:09 p.m. by Cardenas; second by Spellmeyer to adjourn the meeting. All in favor. 4-0-0.

